No. 9300201

THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

South Carolina Agricultural Experiment Station

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

SOYBEAN

'Maxcy'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this twenty-ninth day of September in the year of our Lord one thousand nine hundred and ninety-five.

Attest:

Marsha A. Stanton

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Secretary of Agriculture

FORM APPROVED: OMB 0581-0055, Expires 1/31/91

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) *(as it is to appear on the Certificate)*
South Carolina Agricultural Experiment Station

2. TEMPORARY DESIGNATION OR EXPERIMENTAL NO.
SC84-679

3. VARIETY NAME
Maxcy

4. ADDRESS *(street and no. or R.F.D. no., city, state, and ZIP)*
104 Barre Hall
Clemson University
Clemson, SC 29634-0351

5. PHONE *(Include area code)*
803-656-3140

FOR OFFICIAL USE ONLY

PVPO NUMBER
9300201

FILING
Date: April 28, 1993
Time: ☐ A.M. ☐ P.M.

FEES RECEIVED
Filing and Examination Fee: $2325.00
Date: April 27, 1993
Certificate Fee: $300.00
Date: August 15, 1995

6. GENUS AND SPECIES NAME
Glycine MAX

7. FAMILY NAME *(Botanical)*
Leguminosae

8. CROP KIND NAME *(Common Name)*
Soybean

9. DATE OF DETERMINATION
March 1989

10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION *(Corporation, partnership, association, etc.)*
State Agricultural Experiment Station

11. IF INCORPORATED, GIVE STATE OF INCORPORATION

12. DATE OF INCORPORATION

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS
G. Michael Watkins
S. C. Foundation Seed Association
Cherry Road, Clemson University
Clemson, SC 29634-9952
PHONE *(Include area code)*: 803-656-2520

14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED *(Follow INSTRUCTIONS on reverse)*

a. [X] Exhibit A, Origin and Breeding History of the Variety.
b. [X] Exhibit B, Novelty Statement.
c. [X] Exhibit C, Objective Description of Variety.
d. [ ] Exhibit D, Additional Description of Variety.
e. [X] Exhibit E, Statement of the Basis of Applicant's Ownership.
f. [X] Seed Sample (2,500 viable untreated seeds). Date Seed Sample mailed to Plant Variety Protection Office 4/23/93
g. [X] Filing and Examination Fee (~~$2,150~~ 2325) made payable to "Treasurer of the United States."

15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? *(See section 83(a) of the Plant Variety Protection Act.)*
[X] YES *(If "YES," answer items 16 and 17 below)* [ ] NO *(If "NO," skip to item 18 below)*

16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?
[X] YES [ ] NO

17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?
[X] FOUNDATION [ ] REGISTERED [X] CERTIFIED

18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S.?
[ ] YES *(If "YES," through* [ ] Plant Variety Protection Act [ ] Patent Act. Give date: _____)
[X] NO

19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE, OR MARKETED IN THE U.S. OR OTHER COUNTRIES?
[X] YES (If "YES," give names of countries and dates) Released by the S. C. Agricultural Experiment Station July 1992. Seed first sold to growers on a trial basis April 29, 1992.
[ ] NO

20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in section 41, and is entitled to protection under the provisions of section 42 of the Plant Variety Protection Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

SIGNATURE OF APPLICANT *(Owner(s))*	CAPACITY OR TITLE	DATE
[signature]	Director, SC Agricultural Experiment Station	March 30, 1993
SIGNATURE OF APPLICANT *(Owner(s))*	CAPACITY OR TITLE	DATE

1

SOYBEAN

'Maxcy'

14A. Exhibit A: Origin and Breeding History

Pedigree: D76-9665 X Johnston

Parentage of D76-9665 is Forrest X Centennial
Parentage of Johnston is N70-2173 X Hutton
Parentage of N70-2173 is Hampton X Ransom

Maxcy is derived from a F_4 plant from a cross made at Clemson, S.C., in 1981. Generations were advanced to the F_4 by the single-seed descent (pod-bulk) method. The strain was composited in the F_5 generation in 1984 and designated SC84-679. From 1985 to 1987, Maxcy was tested as SC84-679 for nematode resistance, agronomic performance, and seed yield in South Carolina. SC84-679 has been evaluated in South Carolina and USDA Southern Regional Tests from 1988 to 1992.

Seed from 156 F_8 plants were grown in plant rows in 1989. They were evaluated for resistance to soybean cyst nematode, Race 3, and 99 rows were bulked and breeder seed was increased in 1990. Foundation seed was increased in 1991 and 1992.

Maxcy appears stable and uniform within commercially acceptable limits. Hila color is black with a brown variant occurring at no greater level than 0.50 per cent (1/2 of 1%) per lb. (examples of variants enclosed)

14B. Exhibit 3: Novelty Statement

To our knowledge Maxcy most nearly resembles Johnston. Maxcy differs from Johnston in being resistant to soybean cyst nematode, Race 3, and having smaller seed.

Numerical data for seed size from 1992 Georgia Soybean Variety Tests (Res. Rep. 618) are attached. L.S.D. values for seed size not included in the publication were provided by Mr. J. Ladon Day (April 14, 1993) for the early and late planted tests at Athens, Georgia (pages 39, 40, 41). Early and late planting dates are generally considered to be two different environments by soybean breeders.

Additionally, seed size data (means only, no statistical analysis) are provided from Tifton (pp.12-13), Plains (pp.25-26), and Griffin, Georgia (p.37). Averaged across these last three locations, seed size of Maxcy and Johnston are 14.6 and 16.6 grams per 100 seed, respectively.

FORM APPROVED: OMB NO. 0581-0056

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

EXHIBIT C
(Soybean)

PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY
SOYBEAN (Glycine max L.)

NAME OF APPLICANT(S)	TEMPORARY DESIGNATION	VARIETY NAME
South Carolina Agricultural Exp. Station	SC84-679	Maxcy

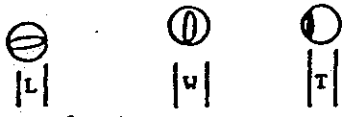
ADDRESS *(Street and No., or R.F.D. No., City, State, and Zip Code)*
104 Barre Hall
Clemson University
Clemson, SC 29634-0351

FOR OFFICIAL USE ONLY
PVPO NUMBER
9300201

Choose the appropriate response which characterizes the variety in the features described below. When the number of significant digits in your answer is fewer than the number of boxes provided, place a zero in the first box when number is 9 or less (e.g., [0][9]). Starred characters ★ are considered fundamental to an adequate soybean variety description. Other characters should be described when information is available.

1. SEED SHAPE:

[2]



1 = Spherical (L/W, L/T, and T/W ratios = < 1.2)
2 = Spherical Flattened (L/W ratio > 1.2; L/T ratio = < 1.2)
3 = Elongate (L/T ratio > 1.2; T/W = < 1.2)
4 = Elongate Flattened (L/T ratio > 1.2; T/W > 1.2)

★ **2. SEED COAT COLOR: (Mature Seed)**

[1] 1 = Yellow 2 = Green 3 = Brown 4 = Black 5 = Other *(Specify)* _____

3. SEED COAT LUSTER: (Mature Hand Shelled Seed)

[1] 1 = Dull ('Corsoy 79'; 'Braxton') 2 = Shiny ('Nebsoy'; 'Gasoy 17')

★ **4. SEED SIZE: (Mature Seed)**

[1][4] Grams per 100 seeds

★ **5. HILUM COLOR: (Mature Seed)**

[7] 1 = Buff 2 = Yellow 3 = Brown 4 = Gray 5 = Imperfect Black 6 = Black 7 = Other *(Specify)*
black with brown hila occurring 0.50% per lb.

★ **6. COTYLEDON COLOR: (Mature Seed)**

[1] 1 = Yellow 2 = Green

★ **7. SEED PROTEIN PEROXIDASE ACTIVITY:**

[1] 1 = Low 2 = High

★ **8. SEED PROTEIN ELECTROPHORETIC BAND:**

[ ] 1 = Type A ($SP1^a$) 2 = Type B ($SP1^b$)

★ **9. HYPOCOTYL COLOR:**

[3] 1 = Green only ('Evans'; 'Davis') 2 = Green with bronze band below cotyledons ('Woodworth'; 'Tracy')
3 = Light Purple below cotyledons ('Beeson'; 'Pickett 71')
4 = Dark Purple extending to unifoliate leaves ('Hodgson'; 'Coker Hampton 266A')

★ **10. LEAFLET SHAPE:**

[3] 1 = Lanceolate 2 = Oval 3 = Ovate 4 = Other *(Specify)* _____

9300201

11. LEAFLET SIZE:

[ ] 1 = Small ('Amsoy 71'; 'A5312') 2 = Medium ('Corsoy 79'; 'Gasoy 17')
3 = Large ('Crawford'; 'Tracy')

12. LEAF COLOR:

[2] 1 = Light Green ('Weber'; 'York') 2 = Medium Green ('Corsoy 79'; 'Braxton')
3 = Dark Green ('Gnome'; 'Tracy')

★ **13. FLOWER COLOR:**

[2] 1 = White 2 = Purple 3 = White with purple throat

★ **14. POD COLOR:**

[1] 1 = Tan 2 = Brown 3 = Black

★ **15. PLANT PUBESCENCE COLOR:**

[2] 1 = Gray 2 = Brown (Tawny)

16. PLANT TYPES:

[3] 1 = Slender ('Essex'; 'Amsoy 71') 2 = Intermediate ('Amcor'; 'Braxton')
3 = Bushy ('Gnome'; 'Govan')

★ **17. PLANT HABIT:**

[1] 1 = Determinate ('Gnome'; 'Braxton') 2 = Semi-Determinate ('Will')
3 = Indeterminate ('Nebsoy'; 'Improved Pelican')

★ **18. MATURITY GROUP:**

[1][1] 1 = 000 2 = 00 3 = 0 4 = I 5 = II 6 = III 7 = IV 8 = V
9 = VI 10 = VII 11 = VIII 12 = IX 13 = X

★ **19. DISEASE REACTION:** (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

BACTERIAL DISEASES:

★ [2] Bacterial Pustule (*Xanthomonas phaseoli* var. *sojensis*)

★ [0] Bacterial Blight (*Pseudomonas glycinea*)

★ [0] Wildfire (*Pseudomonas tabaci*)

FUNGAL DISEASES:

★ [0] Brown Spot (*Septoria glycines*)

Frogeye Leaf Spot (*Cercospora sojina*)

★ [2] Race 1 [2] Race 2 [2] Race 3 [2] Race 4 [2] Race 5 [ ] Other (*Specify*) _____

[0] Target Spot (*Corynespora cassiicola*)

[0] Downy Mildew (*Peronospora trifoliorum* var. *manshurica*)

[0] Powdery Mildew (*Microsphaera diffusa*)

★ [0] Brown Stem Rot (*Cephalosporium gregatum*)

[1] Stem Canker (*Diaporthe phaseolorum* var. *caulivora*)

19. DISEASE REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant) (Continued)

FUNGAL DISEASES: (Continued)

★ [1] Pod and Stem Blight *(Diaporthe phaseolorum* var; *sojae)*

[0] Purple Seed Stain *(Cercospora kikuchii)*

[0] Rhizoctonia Root Rot *(Rhizoctonia solani)*

Phytophthora Rot *(Phytophthora megasperma* var. *sojae)*

★ [0] Race 1 [0] Race 2 [0] Race 3 [0] Race 4 [0] Race 5 [0] Race 6 [0] Race 7

[0] Race 8 [0] Race 9 [0] Other *(Specify)* _____

VIRAL DISEASES:

[0] Bud Blight (Tobacco Ringspot Virus)

[0] Yellow Mosaic (Bean Yellow Mosaic Virus)

★ [0] Cowpea Mosaic (Cowpea Chlorotic Virus)

[0] Pod Mottle (Bean Pod Mottle Virus)

★ [1] Seed Mottle (Soybean Mosaic Virus)

NEMATODE DISEASES:

Soybean Cyst Nematode *(Heterodera glycines)*

★ [0] Race 1 [0] Race 2 [2] Race 3 [1] Race 4 [ ] Other *(Specify)* _____

[2] Lance Nematode *(Hoplolaimus Colombus)* (Tolerant)

★ [2] Southern Root Knot Nematode *(Meloidogyne incognita)* (Moderately Resistant)

★ [0] Northern Root Knot Nematode *(Meloidogyne Hapla)*

[1] Peanut Root Knot Nematode *(Meloidogyne arenaria)*

[0] Reniform Nematode *(Rotylenchulus reniformis)*

[ ] OTHER DISEASE NOT ON FORM *(Specify)*: _____

20. PHYSIOLOGICAL RESPONSES: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

★ [0] Iron Chlorosis on Calcareous Soil

[ ] Other *(Specify)* _____

21. INSECT REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

[0] Mexican Bean Beetle *(Epilachna varivestis)*

[0] Potato Leaf Hopper *(Empoasca fabae)*

[ ] Other *(Specify)* _____

22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED.

CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant Shape	Johnston	Seed Coat Luster	Johnston
Leaf Shape	Johnston	Seed Size	Hagood
Leaf Color	Johnston	Seed Shape	Johnston
Leaf Size	Johnston	Seedling Pigmentation	Johnston

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23. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY: Paired Comparison Data

VARIETY	NO. OF DAYS MATURITY	PLANT LODGING SCORE	CM PLANT HEIGHT	LEAFLET SIZE		SEED CONTENT		SEED SIZE G/100 SEEDS	NO. SEEDS/ POD
				CM Width	CM Length	% Protein	% Oil		
Submitted Maxcy	162	2.0	86	-	-	40.4	20.8	14	2-3
Name of Similar Variety Johnston	158	1.5	81	-	-	42.0	21.4	17	2-3

PUBLICATIONS USEFUL AS REFERENCE AIDS FOR COMPLETING THIS FORM:

1. Caldwell, B.E., ed. 1973. Soybeans: Improvement, Production, and Uses. Amer. Soc. Agron. Monograph No. 16.

2. Buttery, B.R. and R.I. Buzzell. 1968. Peroxidase activity in seeds of soybean varieties. Crop Sci., 8: 722-725.

3. Hymowitz, T. 1973. Electrophoretic analysis of SBTI-A_2 in the USDA soybean germplasm collection. Crop Sci., 13: 420-421.

4. Payne, R.C. and L.F. Morris. 1976. Differentiation of soybean cultivars by seedling pigmentation patterns. J. Seed Technol. 1: 1-19.

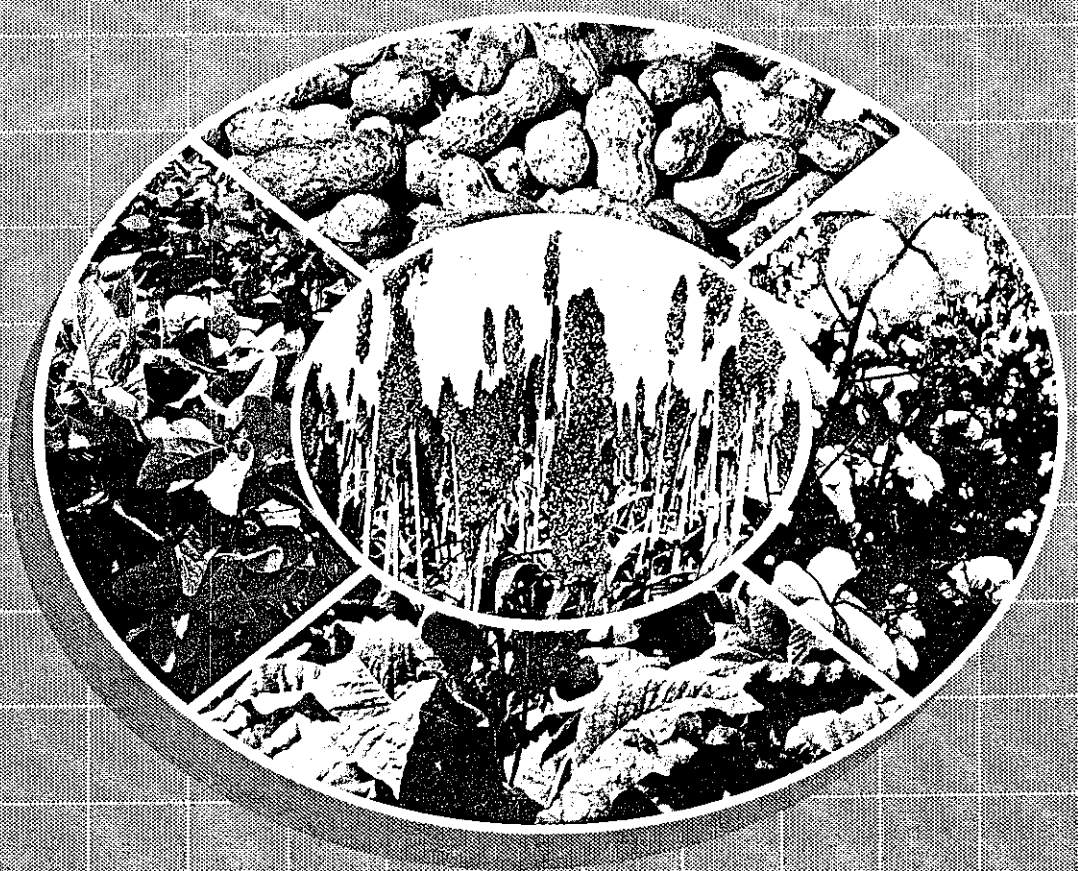
The Georgia Agricultural Experiment Stations
College of Agricultural and Environmental Sciences
The University of Georgia

Research Report
Number 618
February 1993

1992 FIELD CROPS PERFORMANCE TESTS:

Soybeans, Peanuts, Cotton, Tobacco, Sorghum, and Summer Annual Forages

Paul L. Raymer, J. LaDon Day, Robert B. Bennett, Shelby H. Baker,
William D. Branch, Michael, G. Stephenson, Editors



PREFACE

This research report presents the results of the 1992 statewide performance tests of soybeans, peanuts, cotton, tobacco, sorghum, and summer annual forages. The tests for various evaluations were conducted at several or all of the following locations: Tifton, Plains, and Midville in the coastal plain region; Griffin and Athens in the piedmont region; Calhoun in the Limestone Valley region; and Blairsville in the mountain region. For identification of the test site locations, consult the map inside the back cover of this report.

Agronomic information, such as plant height, lodging, disease occurrence, etc., is listed along with the yield data. Information concerning planting and harvest dates, soil type, and culture and fertilization practices used in each trial is included in footnotes. Since the average yield for several years gives a better indication of a variety's potential than one year's data, multiple-year yield summaries have been included.

In order to have a broad base of information, a number of varieties, including experimental lines, are included in the trials, but this does not imply that all are recommended for Georgia. Varieties best suited to a specific area or for a particular purpose, and agreed upon by College of Agriculture agronomists, are presented in the 1992 Spring Planting Schedule for Georgia (available from your county extension office). Pesticides used for production practices are included for the benefit of the reader and do not imply any endorsement or preferential treatment by the University of Georgia Agricultural Experiment Station. For additional information, contact your local county extension agent or the nearest experiment station.

The least significant difference (LSD) at the 10% level has been included in the tables to aid in comparing hybrids. If the yields of any two hybrids differ by the LSD value or more, they may be considered different in yield ability. The standard error (Std. Err.) of an entry mean is included at the bottom of each table to provide a general indicator of the level of precision of each experiment. The lower the value of the standard error of the entry mean, the more precise the experiment.

This report is one of four publications presenting the 1992 performance of agronomic crops in Georgia. For more information concerning other crops, refer to one of the following research reports: 1992 Corn Performance Tests (Report 617), 1991-92 Small Grains Performance Tests (Report 613), and 1991-92 Rapeseed Performance Tests (Report 614).

COOPERATORS

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CONTRIBUTORS

The following individuals contributed to the gathering of data and to the preparation of this report:

J. Baldre, J. Davis-Carter, S. Droegmiller, S. Finnerty, H. Garrett, K. Golembiewski, H. Griffin, E. Hall, R. Harris, K. Hill, S. Jackson, J. Lance, B. Luzzi, B. Marchant, J. Mullis, C. Newburn, B. Nicholls, S. Parnell, J. Skinner, R. Smith, C. Stevens, L. Sudduth, F. Sutherland, G. Rowan, J. Todd, L. Thompson, and W. Wilson.

ATHENS, GEORGIA:
EARLY-PLANTED SOYBEAN VARIETY PERFORMANCE, 1992, IRRIGATED

Company or Brand Name	Variety	Yield[1]	Bloom	Maturity	Plant Height	Lodging[2]	Weight of 100 Seed	Seed Quality[3]	Shattering[4]
		bu/acre	date	date	in	rating	gm	rating	rating
Maturity Groups V and VI									
Univ of Ga	G83-198	62.0	.	10/15	32	1.8	15.3	1.5	1.0
Public Variety	Hutcheson	61.5	.	10/05	28	1.5	20.9	2.0	1.0
Public Variety	TN 6-90	60.4	.	10/13	37	1.7	18.2	1.5	1.0
Public Variety	Bryan	60.0	.	10/15	38	2.0	14.8	1.5	1.0
Stoneville	FFR 562	59.2	.	10/08	38	1.8	17.6	1.5	1.0
Deltapine	DP 3627	58.7	.	10/08	39	1.7	19.1	1.5	1.0
Hartz	H6686	58.5	.	10/10	31	1.7	21.3	1.8	1.0
Public Variety	Brim	58.1	.	10/09	36	1.5	15.5	1.5	1.0
Public Variety	Walters	57.8	.	10/02	34	2.7	16.6	2.0	1.0
Public Variety	Young	57.4	.	10/08	39	2.7	20.6	1.5	1.0
Pioneer Variety	9593	56.7	.	10/04	37	1.5	18.8	1.8	1.0
Public Variety	Crowley	56.1	.	10/05	39	2.5	18.1	2.3	1.0
Univ of Ga	G90L243	56.1	.	10/06	37	2.0	16.2	1.5	1.0
Deltapine	Deltapine 105	55.6	.	10/05	35	2.2	19.6	2.0	1.0
H. J. Underwood	605	55.6	.	10/14	38	3.0	17.4	1.5	1.0
Pioneer Variety	9592	55.2	.	10/07	40	1.8	24.4	2.3	1.0
H. J. Underwood	607	54.8	.	10/08	41	2.3	17.7	1.5	1.0
Public Variety	Leflore	54.5	.	10/12	37	2.3	15.9	1.5	1.0
Public Variety	Twiggs	54.5	.	10/03	38	2.0	15.9	1.7	1.0
Stoneville	FFR 695	54.2	.	10/14	37	1.5	15.8	1.5	1.0
Stoneville	FFR 671	53.5	.	10/08	41	3.0	23.0	1.7	1.0
Public Variety	Rhodes	52.3	.	10/05	33	1.7	18.4	2.8	1.0
Deltapine	Deltapine 415	50.9	.	10/05	31	1.5	21.7	2.3	1.0
Public Variety	Hartwig	50.4	.	10/04	31	2.2	16.3	2.5	1.0
Deltapine	DP 3682	49.8	.	10/14	32	1.5	14.5	1.5	1.0
H. J. Underwood	509A	46.7	.	10/06	30	1.8	17.3	1.7	1.0
Average		55.8[5]	.	10/08	36	2.0	18.1	1.8	1.0
LSD at 10% Level		4.7							
Std. Err. of Entry Mean		2.0							
Maturity Group VII and VIII									
Univ of Ga	G84-3185	53.6	.	10/19	37	3.3	17.6	1.5	1.0
Deltapine	DP 3776	53.4	.	10/14	40	1.8	17.1	1.5	1.0
Deltapine	DP 3733	52.3	.	10/14	38	2.0	15.5	1.5	1.0
Pioneer Variety	9711	52.2	.	10/17	37	2.7	15.2	1.5	1.0
Public Variety	Howard	51.9	.	10/19	36	2.0	12.7	1.5	1.0
Univ of GA	G86-1434	51.2	.	10/15	42	2.8	14.0	1.5	1.0
Pioneer Variety	9761	50.6	.	10/14	37	1.7	15.9	1.5	1.0
Public Variety	Bryan	49.6	.	10/15	37	2.0	15.1	1.5	1.0
Univ of GA	G86-1267	49.1	.	10/16	40	3.0	14.1	1.5	1.0
Stoneville	FFR 731	48.9	.	10/15	37	2.0	15.8	1.5	1.0
Univ of Ga	G84-234	48.8	.	10/18	35	1.8	16.2	1.5	1.0
Public Variety	Cook	48.8	.	10/20	41	2.3	18.0	1.5	1.0
Public Variety	Stonewall	48.4	.	10/14	32	2.3	17.4	1.5	1.0
Vigoro	107	48.2	.	10/15	37	2.0	14.7	1.5	1.0
Public Variety	Thomas	48.2	.	10/18	35	1.5	16.4	1.5	1.0

ATHENS, GEORGIA:
EARLY-PLANTED SOYBEAN VARIETY PERFORMANCE, 1992, IRRIGATED (CONTINUED)

Company or Brand Name	Variety	Yield[1]	Bloom	Maturity	Plant Height	Lodging[2]	Weight of 100 Seed	Seed Quality[3]	Shattering[4]
		bu/acre	date	date	in	rating	gm	rating	rating
Maturity Group VII and VIII - cont'd									
Public Variety	Ga Soy 17	48.0	.	10/20	41	2.7	16.8	1.5	1.0
Public Variety	Perrin	47.8	.	10/23	40	2.3	19.1	1.5	1.0
Public Variety	Colquitt	47.3	.	10/16	36	2.0	16.6	1.5	1.0
Public Variety	Johnston	47.2	.	10/19	33	2.3	17.7	1.5	1.0
Univ of Ga	G85-373	47.1	.	10/15	39	2.5	14.0	1.5	1.0
Public Variety	Hagood	47.0	.	10/21	44	2.7	16.5	1.5	1.0
Univ of Ga	G90L69	46.4	.	10/15	35	2.5	16.4	1.5	1.0
Northrup King	Coker 6847	46.1	.	10/15	37	1.7	14.3	1.5	1.0
Public Variety	Maxcy	45.2	.	10/23	38	3.0	16.0	1.5	1.0
Northrup King	Coker 6738	42.6	.	10/21	41	1.8	14.5	1.5	1.0
H. J. Underwood	701P	41.6	.	10/13	39	2.3	15.3	1.5	1.0
Deltapine	Deltapine 417	38.2	.	10/21	44	2.7	16.3	1.5	1.0
Average		48.1[6][7]	.	10/17	38	2.3	15.9	1.5	1.0
LSD at 10% Level		n.s[7]					1.0*		
Std. Err. of Entry Mean		3.1							

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: 1 (no shattering) to 5 (> 50% pods shattered).
5. CV = 6.1% and df for EMS = 50.
6. CV = 11.1% and df for EMS = 52.
7. The F-test indicated no statistical differences at the alpha = 0.1 probability level; therefore, an LSD value was not calculated.

Planted: May 14, 1992.
Harvested: Maturity Groups V and VI -- October 20, 1992.
Maturity Groups VII and VIII -- November 9, 1992.
Seeding Rate: Eight viable seeds per foot in 30" rows.
Soil Type: Cecil coarse sandy loam.
Soil Test: P = Low, K = Medium, and pH = 5.8.
Fertilization: 0 lb N, 70 lb P_2O_5, and 120 lb K_2O.
Previous Crop: Grain Sorghum.
Management: Moldboard plowed and disked; Freedom and Classic used for weed control; Telone II used for nematode control; irrigated 2 times.

Test conducted by E. D. Wood, C. A. Stevens, G. B. Rowan, R. J. Rogers, and R. M. Smith.

*L.S.D. value at 10% level provided by Mr. Ladon Day (ed.), April 14, 1993.

ATHENS, GEORGIA:
LATE-PLANTED SOYBEAN VARIETY PERFORMANCE, 1992, IRRIGATED

Company or Brand Name	Variety	Yield[1]	Bloom	Maturity	Plant Height	Lodging[2]	Weight of 100 Seed	Seed Quality[3]	Shattering[4]
		bu/acre	date	date	in	rating	gm	rating	rating
Univ of Ga	G84-3185	52.5	.	10/21	30	2.8	15.5	1.5	1.0
Public Variety	Johnston	52.4	.	10/25	31	3.2	17.1	1.5	1.0
Pioneer Variety	9761	50.5	.	10/24	32	3.0	15.0	1.5	1.0
Stoneville	FFR 671	49.4	.	10/19	34	3.0	17.0	1.5	1.0
Public Variety	Crowley	49.3	.	10/21	34	3.3	14.7	1.5	1.0
Public Variety	Maxcy	47.9	.	10/27	33	3.2	14.5	1.5	1.0
Public Variety	Colquitt	47.7	.	10/20	32	3.3	16.1	1.5	1.0
Stoneville	FFR 695	47.7	.	10/21	32	3.0	14.6	1.5	1.0
Public Variety	Ga Soy 17	46.8	.	10/25	36	3.0	14.4	1.5	1.0
Public Variety	Stonewall	46.0	.	10/20	31	2.8	17.5	1.5	1.0
H. J. Underwood	607	45.3	.	10/21	38	3.0	14.6	1.5	1.0
Univ of GA	G86-6271	45.1	.	10/23	39	2.7	18.0	1.5	1.0
Pioneer Variety	9711	45.0	.	10/21	31	3.0	14.4	1.5	1.0
Public Variety	Howard	44.9	.	10/22	32	3.3	11.9	1.5	1.0
Public Variety	Perrin	44.9	.	10/30	33	3.0	17.0	1.5	1.0
Univ of GA	G86-1434	44.5	.	10/19	32	2.8	12.2	1.5	1.0
Univ of GA	G86-1267	44.4	.	10/19	30	2.8	12.4	1.5	1.0
Univ of Ga	G84-234	43.1	.	10/23	29	2.8	15.2	1.5	1.0
Public Variety	Hagood	42.7	.	10/25	35	3.2	13.1	1.5	1.0
Public Variety	Cook	42.4	.	10/25	33	3.2	14.0	1.5	1.0
Stoneville	FFR 731	42.2	.	10/18	30	2.8	14.1	1.5	1.0
Univ of Ga	G85-373	41.6	.	10/20	35	3.3	12.1	1.5	1.0
Univ of GA	G86-6222	41.6	.	10/21	42	3.2	16.3	1.5	1.0
H. J. Underwood	605	40.9	.	10/19	30	3.7	15.7	1.5	1.0
Public Variety	Thomas	40.7	.	10/22	31	2.5	15.3	1.5	1.0
H. J. Underwood	701P	39.3	.	10/19	30	2.5	13.8	1.5	1.0
Average		45.3[5]	.	10/22	33	3.0	14.9	1.5	1.0
LSD at 10% Level		5.3					0.9*		
Std. Err. of Entry Mean		2.2							

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: 1 (no shattering) to 5 (> 50% pods shattered).
5. CV = 8.5% and df for EMS = 50.

Planted: June 24, 1992.
Harvested: November 11, 1992.
Seeding Rate: Six viable seeds per foot in 20" rows.
Soil Type: Cecil coarse sandy loam.
Soil Test: P = Very High, K = Medium, and pH = 5.9.
Fertilization: 0 lb N, 0 lb P_2O_5, and 120 lb K_2O.
Previous Crop: Soybean.
Management: Chiseled and disked; Freedom used for weed control; Telone II used for nematode control; irrigated one time.

Test conducted by E. D. Wood, C. A. Stevens, G. B. Rowan, R. J. Rogers, and R. M. Smith.

*L.S.D. value at 10% level provided by Mr. Ladon Day (ed.), April 14, 1993.

TIFTON, GEORGIA:
LATE-PLANTED SOYBEAN VARIETY PERFORMANCE, 1992, NONIRRIGATED

Company or Brand Name	Variety	Yield[1]	Bloom	Maturity	Plant Height	Lodging[2]	Weight of 100 Seed	Seed Quality[3]	Shattering[4]
		bu/acre	date	date	in	rating	gm	rating	rating
Univ of GA	G86-1267	40.8	.	10/15	24	1.1	12.2	2.3	1.0
Stoneville	FFR 731	36.5	.	10/10	22	1.4	12.5	2.0	1.0
Univ of Ga	G84-234	36.4	.	10/16	19	1.3	13.5	2.7	1.0
Hartz	H8558	35.3	.	10/19	28	1.2	13.4	2.1	1.0
Stoneville	FFR 695	35.2	.	10/13	22	1.0	11.9	1.8	1.0
Pioneer Variety	9761	35.2	.	10/13	25	1.1	10.9	1.9	1.0
Public Variety	Maxcy	35.1	.	10/21	24	1.1	12.2	1.7	1.0
Public Variety	Cook	34.5	.	10/14	24	1.4	12.8	2.0	1.0
Hartz	H7190	34.3	.	10/11	23	1.4	12.5	2.4	1.0
Deltapine	Deltapine 417	34.1	.	10/18	30	1.2	12.0	1.8	1.0
Univ of GA	G86-1434	33.5	.	10/13	23	1.2	10.8	1.9	1.0
Hartz	H7999	33.2	.	10/16	23	1.2	11.2	2.1	1.0
Public Variety	Davis	32.9	.	10/10	25	1.2	13.3	2.2	1.0
Public Variety	Perrin	32.9	.	10/22	26	1.0	14.4	1.9	1.0
Public Variety	Colquitt	32.7	.	10/13	24	1.2	11.3	1.8	1.0
Northrup King	Coker 6738	32.7	.	10/17	25	1.0	12.7	1.6	1.0
Public Variety	Johnston	32.6	.	10/15	23	1.1	13.5	1.7	1.0
Univ of Ga	G85-373	32.3	.	10/12	26	1.2	11.3	2.0	1.0
Pioneer Variety	9711	32.3	.	10/13	23	1.1	11.8	2.0	1.0
Pioneer Variety	9831	32.2	.	10/16	25	1.1	13.4	1.8	1.0
Public Variety	Hagood	32.0	.	10/16	28	1.3	11.8	1.6	1.0
Univ of Ga	G84-3185	31.8	.	10/13	24	1.5	12.5	1.9	1.0
HyPerformer	HSC 741	31.7	.	10/13	22	1.0	11.9	2.3	1.0
H. J. Underwood	605	31.6	.	10/13	27	1.5	12.8	2.1	1.0
Deltapine	DP 3776	31.6	.	10/11	23	1.1	13.4	2.2	1.0
Public Variety	Braxton	31.1	.	10/14	24	1.0	14.4	2.4	1.0
Public Variety	Stonewall	31.1	.	10/10	24	1.2	12.5	2.3	1.0
Public Variety	Cobb	30.8	.	10/28	30	2.3	14.9	2.0	1.0
HyPerformer	Sampson	30.6	.	10/12	22	1.0	13.1	2.0	1.0
Stoneville	FFR 671	30.5	.	10/08	25	1.1	13.3	2.5	1.0
Univ of GA	G86-6222	30.5	.	10/12	32	1.3	12.8	2.3	1.0
H. J. Underwood	607	29.6	.	10/09	27	1.2	12.8	2.8	1.0
Hartz	H8448	29.4	.	10/15	23	1.3	10.5	1.9	1.0
Northrup King	S83-30	28.9	.	10/20	26	1.0	12.5	1.8	1.0
Northrup King	Coker 6847	28.9	.	10/12	25	1.1	11.3	2.2	1.0
Public Variety	Crowley	28.8	.	10/04	26	1.3	12.8	2.8	1.0
Deltapine	DP 3733	28.8	.	10/10	23	1.1	11.4	2.0	1.0
Public Variety	Thomas	28.7	.	10/13	22	1.0	12.5	2.3	1.0
Deltapine	DP 3682	28.2	.	10/11	21	1.0	11.7	2.4	1.0
Univ of GA	G86-6271	28.2	.	10/14	29	1.0	14.5	1.9	1.0
Public Variety	Dowling	27.1	.	10/26	26	1.3	14.9	1.9	1.0
Northrup King	X9169	26.2	.	10/10	24	1.2	13.3	2.3	1.0
Hartz	H6372	26.0	.	10/10	24	1.4	10.7	2.6	1.0
Deltapine	DP 3818	25.7	.	10/16	25	1.0	11.3	2.1	1.0
Northrup King	X9267	25.3	.	10/08	21	1.1	10.1	2.0	1.0

TIFTON, GEORGIA:
LATE-PLANTED SOYBEAN VARIETY PERFORMANCE, 1992, NONIRRIGATED (CONTINUED)

Company or Brand Name	Variety	Yield[1]	Bloom	Maturity	Plant Height	Lodging[2]	Weight of 100 Seed	Seed Quality[3]	Shattering[4]
		bu/acre	date	date	in	rating	gm	rating	rating
Hartz	H7585	24.8	.	10/13	22	1.1	13.3	2.1	1.0
H. J. Underwood	701P	24.1	.	10/09	23	1.2	11.9	3.7	1.0
Public Variety	Howard	22.9	.	10/16	22	1.0	10.5	3.0	1.0
Average		31.0[5]	.	10/14	24	1.2	12.4	2.2	1.0
LSD at 10% Level		5.6							
Std. Err. of Entry Mean		2.3							

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: 1 (no shattering) to 5 (> 50% pods shattered).
5. CV = 12.8% and df for EMS = 87.

Planted: June 19, 1992.
Harvested: November 16, 1992.
Seeding Rate: Eight viable seeds per foot in 30" rows.
Soil Type: Tifton sandy loam.
Soil Test: P = High, K = Medium, and pH = 5.5.
Fertilization: 15 lb N, 45 lb P_2O_5, and 90 lb K_2O.
Previous Crop: Sweet potato.
Management: Moldboard plowed and rototilled; Sonolan, Vernam, and two cultivations used for weed control; Orthene and Dipel used for insect control.

Test conducted by R. Bennett and P. Griffin.

PLAINS, GEORGIA:
LATE-PLANTED SOYBEAN VARIETY PERFORMANCE, 1992, IRRIGATED

Company or Brand Name	Variety	Yield[1]	Bloom	Maturity	Plant Height	Lodging[2]	Weight of 100 Seed	Seed Quality[3]	Shattering[4]
		bu/acre	date	date	in	rating	gm	rating	rating
Pioneer Variety	9761	52.8	.	10/22	35	2.3	16.1	1.6	1.0
Pioneer Variety	9831	52.4	.	10/25	35	3.0	18.3	1.4	1.0
Public Variety	Cook	50.5	.	10/24	38	1.8	18.2	1.7	1.0
Northrup King	S83-30	50.0	.	10/25	37	2.5	16.5	1.6	1.0
Deltapine	DP 3733	48.7	.	10/17	35	1.2	15.3	1.7	1.0
H. J. Underwood	607	47.9	.	10/18	39	1.6	17.3	2.0	1.0
Univ of GA	G86-1267	47.9	.	10/17	31	1.3	14.9	1.5	1.0
Univ of Ga	G84-3185	47.7	.	10/21	35	4.5	18.2	1.6	1.0
Public Variety	Maxcy	47.6	.	10/26	37	4.5	17.2	1.6	1.0
HyPerformer	HSC 741	47.5	.	10/24	35	2.8	18.5	1.9	1.0
Public Variety	Johnston	46.5	.	10/25	35	5.0	19.9	1.5	1.0
Hartz	H7190	46.3	.	10/21	33	2.8	16.7	1.8	1.0
Stoneville	FFR 695	46.3	.	10/17	36	2.7	16.0	1.5	1.0
Univ of GA	G86-1434	46.2	.	10/19	34	2.2	15.9	1.8	1.0
Public Variety	Braxton	46.1	.	10/19	34	1.1	19.5	1.6	1.0
Univ of GA	G86-6222	46.1	.	10/20	47	1.4	17.8	2.0	1.0
Pioneer Variety	9711	46.1	.	10/16	35	3.2	16.2	1.8	1.0
Hartz	H7585	46.0	.	10/17	32	1.3	16.5	1.7	1.0
Public Variety	Crowley	45.9	.	10/14	36	1.7	16.6	1.9	1.0
Northrup King	Coker 6738	45.7	.	10/23	35	1.4	16.2	1.6	1.0
Deltapine	DP 3776	45.5	.	10/24	34	1.6	19.4	1.7	1.0
Univ of Ga	G85-373	45.4	.	10/19	41	3.8	16.5	1.7	1.0
Northrup King	X9267	45.1	.	10/15	26	1.0	16.3	1.9	1.0
Public Variety	Stonewall	45.0	.	10/18	34	1.2	20.5	2.0	1.0
Deltapine	DP 3818	44.8	.	10/24	43	4.5	17.5	1.5	1.0
Stoneville	FFR 731	44.7	.	10/15	37	3.3	15.7	2.1	1.0
HyPerformer	Sampson	44.3	.	10/18	28	1.3	18.1	1.9	1.0
Univ of GA	G86-6271	43.9	.	10/19	41	1.1	19.2	1.7	1.0
Public Variety	Howard	43.9	.	10/23	32	1.9	14.5	2.1	1.0
Stoneville	FFR 671	43.9	.	10/16	37	2.8	19.0	2.2	1.0
Northrup King	X9169	43.9	.	10/19	35	4.2	19.5	1.8	1.0
Public Variety	Colquitt	43.8	.	10/22	37	3.8	18.1	1.7	1.0
Northrup King	Coker 6847	43.8	.	10/17	35	1.4	15.3	1.6	1.0
Hartz	H8558	43.7	.	10/26	41	3.8	17.2	1.8	1.0
Public Variety	Hagood	43.7	.	10/22	38	2.9	16.1	1.6	1.0
Hartz	H7999	43.5	.	10/24	34	3.3	15.5	1.7	1.0
Hartz	H8448	43.5	.	10/25	40	4.2	15.3	1.5	1.0
Public Variety	Perrin	43.2	.	10/26	41	1.6	19.9	1.9	1.0
Deltapine	DP 3682	43.0	.	10/14	34	1.7	14.3	1.8	1.0
Deltapine	Deltapine 417	43.0	.	10/25	38	2.0	17.1	1.6	1.0
Hartz	H6372	42.4	.	10/15	35	1.5	14.7	1.9	1.0
Public Variety	Dowling	41.7	.	10/30	34	4.5	16.8	1.5	1.0
Public Variety	Cobb	41.4	.	10/29	42	3.8	16.9	1.7	1.0
Public Variety	Thomas	40.6	.	10/21	32	1.3	18.5	1.9	1.0
H. J. Underwood	701P	40.5	.	10/17	36	1.8	16.5	2.5	1.0
Univ of Ga	G84-234	40.4	.	10/24	30	2.3	17.7	2.1	1.0
H. J. Underwood	605	39.1	.	10/17	35	3.8	17.7	1.8	1.0
Public Variety	Davis	38.3	.	10/17	35	2.5	16.8	1.7	1.0

PLAINS, GEORGIA:
LATE-PLANTED SOYBEAN VARIETY PERFORMANCE, 1992, IRRIGATED (CONTINUED)

Company or Brand Name	Variety	Yield[1]	Bloom	Maturity	Plant Height	Lodging[2]	Weight of 100 Seed	Seed Quality[3]	Shattering[4]
		bu/acre	date	date	in	rating	gm	rating	rating
Average		45.0[5]	.	10/20	36	2.5	17.1	1.8	1.0
LSD at 10% Level		4.3							
Std. Err. of Entry Mean		1.8							

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. Shattering rating: 1 (no shattering) to 5 (> 50% pods shattered).
5. CV = 7.1% and df for EMS = 94.

Planted: June 23, 1992.
Harvested: November 19, 1992.
Seeding Rate: Eight viable seeds per foot in 30" rows.
Soil Type: Greenville sandy loam.
Soil Test: P = Low, K = Medium, and pH = 6.2.
Fertilization: 14 lb N, 81 lb P_2O_5, and 41 lb K_2O.
Previous Crop: Small grain.
Management: Moldboard plowed and rototilled; Treflan, Lasso, and two cultivations used for weed control; Methyl Parathion and Orthene used for insect control; irrigated 6 times for a total of 5 inches.

Test conducted by R. Bennett, P. Griffin, and F. Sutherland.

GRIFFIN, GEORGIA:
TWO-YEAR SUMMARY OF LATE-PLANTED SOYBEAN PERFORMANCE, 1991-1992
NONIRRIGATED

Company or Brand Name	Variety	Yield[1] 2-Year Average	Yield[1] 1992	Yield[1] 1991	Maturity	Plant Height	Lodging[2]	Weight of 100 Seed	Seed[3] Quality
		------ bu/acre -----			mo/day	in	rating	gm	rating
Univ of Ga	G84-3185	45.5	50.3	40.7	10/29	33	2.6	14.7	1.1
Pioneer Variety	9761	45.1	49.4	40.9	10/29	34	1.3	14.2	1.1
Univ of GA	G86-6271	43.3	45.1	41.6	10/27	41	1.0	17.0	1.3
Stoneville	FFR 695	43.1	45.3	41.0	10/25	33	1.2	13.5	1.2
Public Variety	Perrin	42.8	43.7	41.9	11/03	39	1.3	17.2	1.3
Public Variety	Colquitt	41.9	39.8	44.0	10/27	33	1.6	16.1	1.3
Public Variety	Johnston	41.7	43.6	39.7	11/02	32	2.3	16.3	1.4
Public Variety	Maxcy	39.8	42.2	37.5	11/01	36	1.8	14.4	1.3
Public Variety	Cook	39.7	41.4	38.0	10/28	32	1.2	14.8	1.0
Univ of GA	G86-6222	39.1	40.5	37.8	10/27	42	1.2	15.2	1.3
Public Variety	Hagood	39.1	41.6	36.6	10/30	34	1.5	13.5	1.0
Univ of Ga	G84-234	39.1	38.5	39.7	10/29	32	1.1	14.9	1.4
Public Variety	Ga Soy 17	39.0	42.1	36.0	10/29	34	1.3	14.1	1.0
Public Variety	Stonewall	38.6	38.0	39.2	10/28	34	1.5	16.5	1.4
Public Variety	Thomas	38.0	38.4	37.5	10/31	34	1.1	16.5	1.5
Pioneer Variety	9711	37.1	38.7	35.5	10/25	34	1.7	13.5	1.4
H. J. Underwood	605	37.0	39.7	34.2	10/26	35	1.8	15.4	1.3
Stoneville	FFR 731	36.8	38.9	34.6	10/23	31	1.3	13.0	1.5
Public Variety	Howard	33.9	33.8	34.1	10/29	32	1.2	12.8	1.5
H. J. Underwood	701P	32.8	34.9	30.7	10/27	36	1.3	12.6	1.7
H. J. Underwood	607	31.8	33.5	30.0	10/31	38	1.5	14.7	1.5
Univ of Ga	G85-373	29.3	28.7	30.0	11/01	34	1.5	14.0	1.4
Average		38.8[4]	40.4	37.3	10/29	35	1.5	14.8	1.3
LSD at 10% Level		4.0	6.1	4.5					
Std. Err. of Entry Mean		1.3	2.5	1.9					

1. Yields calculated at 13% moisture.
2. Lodging rating: Rated 1 (all plants erect) to 5 (over 80% of plants down).
3. Seed quality rating: Rated 1 (very good) to 5 (very poor).
4. CV = 9.9% and df for EMS = 82.

Planting Dates: 7/01/91, 6/22/92.

SOUTH CAROLINA AGRICULTURAL EXPERIMENT STATION

SC84-679 MAXCY SOYBEANS

Exhibit E: Statement of the Basis of Applicant's Ownership

Maxcy was originated and developed by Dr. Emerson R. Shipe, a plant breeder employed by Clemson University/South Carolina Agricultural Experiment Station. By agreement between employee and Clemson University, all rights to any invention, discovery, or development made by an employee are assigned to the University. No rights to such invention, discovery, or development are retained by the employee.